

# Literature Review

- Come up with your hypothesis
- Find empirical articles that lead to your hypothesis
- Start general, and narrow down the topic and end with your hypothesis

Examples:

1. Adding a new experimental group to existing literature
2. Using new methodology to supplement existing literature
3. Coming up with an entirely new theory

# New Experimental Group

## Hypothesis

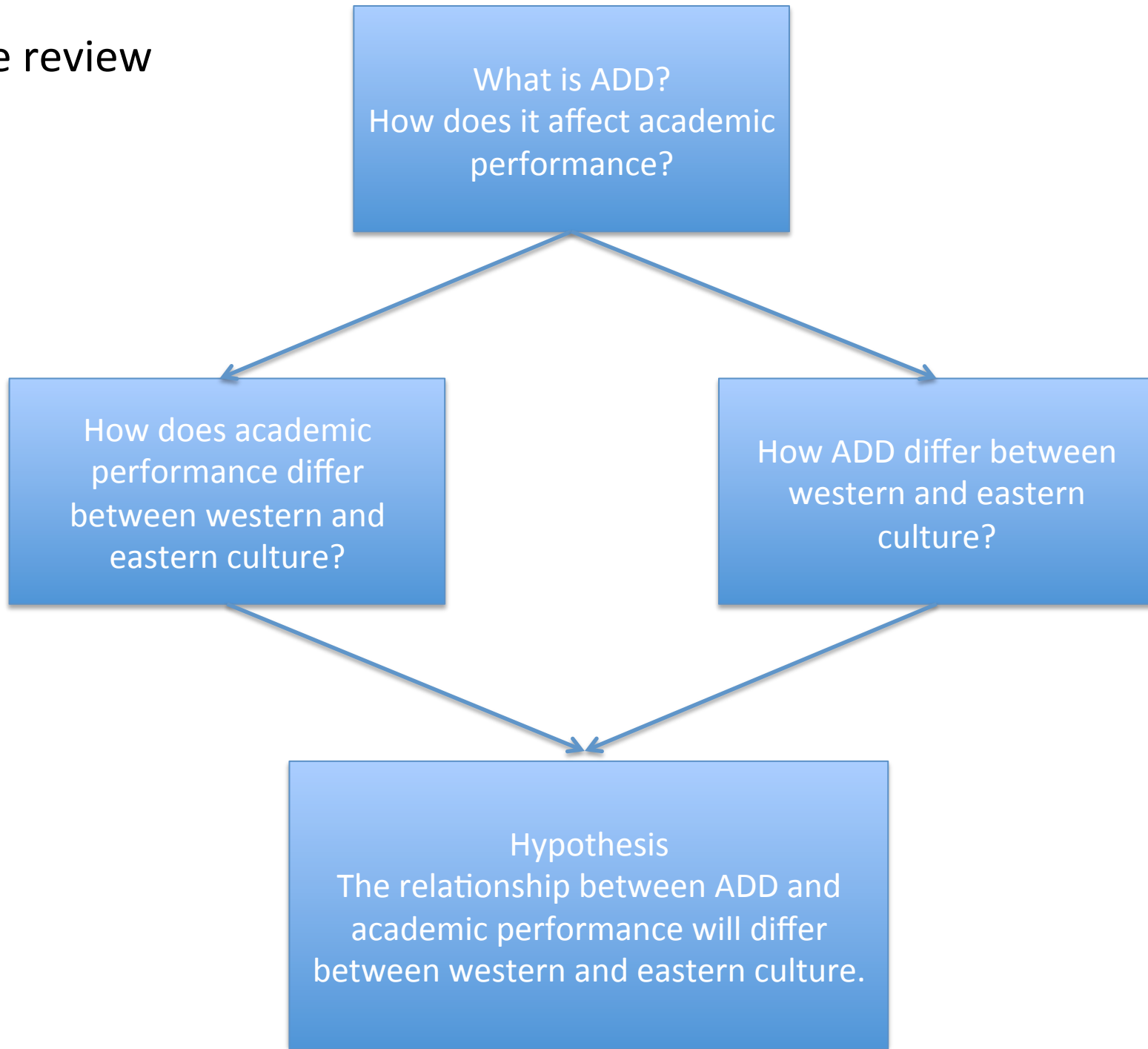
The relationship between ADD and academic performance will differ between western and eastern culture.

# New Experimental Group

## Hypothesis

The relationship between **ADD** and **academic performance** will differ between western and eastern culture.

## Literature review



- Attention deficit disorder (ADD) is characterized as.... [].
- An increase in ADD is linked to a decrease in academic performance [].
- However, both the characterization of ADD and the measurement of academic performance differs between western and eastern cultures.
  - ADD is less prevalent in culture X [], however this is due to misdiagnosis []. On the other hand, ADD is very prevalent in culture Y and may be overdiagnosed [].
  - Large differences are found in measurement of academic performance between western and eastern cultures []. For example... [].
- Therefore it is important to study the differences in the relationship between ADD and academic performance between cultures.

# New methodology

## Hypothesis

Individual differences in childhood adversity must be accounted for when measuring social intelligence.

# New methodology

## Hypothesis

Individual differences in **childhood adversity** must be accounted for when measuring **social intelligence**.



# Literature review



What is social intelligence?  
How is social intelligence  
usually measured?

What is childhood  
adversity?  
How might it relate to social  
intelligence?

Hypothesis  
Individual differences in childhood  
adversity must be accounted for when  
measuring social intelligence.

- Social intelligence is characterized as.... [] and is measured by...[].
  - Social intelligence is used as a diagnosis for ASD and .... [], therefore its measurement is of upmost importance.
- Childhood adversity is... [].
- Childhood adversity affects X% of Americans [].
- Childhood adversity leads to lower social intelligence [].
- Therefore individual differences in childhood adversity should be considered when testing for social intelligence.

# New theory

Hypothesis

Working memory functions based on  
cookie intake.

# Literature review

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graph TD; A[What is working memory?] --> B[Working memory functions on brief synaptic change]; A --> C[Working memory functions on brain oscillations]; A --> D[There is no such thing as working memory, it is an emergent property of attention.]; B --> E[Working memory requires glucose to function.]; E --> F[The more glucose, the more energy, the better working memory can function]; F --> G[Cookies include a large amount of glucose]; G --> H[Hypothesis: Working memory functions based on cookie intake.];
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What is working memory?

Working memory functions on brief synaptic change

Working memory functions on brain oscillations

There is no such thing as working memory, it is an emergent property of attention.

Working memory requires glucose to function.

The more glucose, the more energy, the better working memory can function

Cookies include a large amount of glucose

Hypothesis  
Working memory functions based on cookie intake.

# Literature Review

- Hook your reader
- Start broad
  - Definitions of each piece of your hypothesis
- Narrow down your discussion to find the link between each piece
- Finish with your hypothesis, now well supported by the rest of the paper